

Question one [11 Marks] :

A. What are WIMP/GUI interfaces? List and explain the meaning of each one of them. (4 marks)

B. What is the HCI Scope ?(4 marks)

C. Memorability is a principle that supports usability. What does it mean?
Support your answer by giving examples (3 marks)

Question Two [13 Marks]:

A. List the main attributes of user-centered design (3 marks)

B. Draw a sketch for Star lifecycle model then list its important features. (6 marks)

C. What are the types of memory models of the Cognitive System? Explain and draw the interaction level between them. (4 marks)

Question Three [6 Marks] :-

A. The Blackboard is used as online learning management system at University of Bahrain. As a user yourself do you think this system achieved the goals of HCI? Fill four goals in the following table with suitable answers. (4 marks)

Goals	Achieved? (Yes/No)	Example
Safety		
Utility		
Effectiveness		
Efficiency		
Usability		
Appeal		

B. What are the stakeholders for the library that used as information recourse management system at University of Bahrain.? Give three examples (2 marks)

Question Four: [10 Marks]

A. Draw the UML Use- Case Diagram for the following scenario system:(5 marks)

A conference chair system (CCS) is to be designed and implemented to automate the review process for scientific events such as conferences and workshops as described below:

An author can submit a paper using CCS. Not every paper submitted is to be selected for presentation and included in the proceedings. The review and selection process is performed by an organization committee. The organization committee consists of members. One of the members is assigned as the chair of the organization. The chair is responsible for checking the completeness of the submitted papers and assigning the papers to other members for reviewing. When the chair assigns a paper to a reviewer, it is first checked that the area of expertise of the reviewer matches the keywords provided in the paper. Each paper is assigned to at least two reviewers. Each reviewer is responsible for reviewing the assigned paper(s) and writing a review. Based on the reviews, papers to be included in the final proceedings are selected by the chair. Once the selection is completed, the chair can send notification emails about the decisions to all authors using CCS.

B. Describe textual HTA and draw the graphical HTA for following system scenario: "Change Store Functions"(5 marks)

At the beginning of every working day, the cook store manager manages the followings: the store menu items, cooks, oven, and deliverers.

Hirt:the management operations are: add, delete and change.